

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/DE2004/002608

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C01B3/58 C01B3/38 C01B3/48 B01J19/24 B01J12/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C01B B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 199 61 482 A1 (AISIN SEIKI K.K., KARIYA) 10 August 2000 (2000-08-10) column 9, line 38 - line 66; figure 4	1-10
X	WO 03/080505 A (VIESSMANN WERKE GMBH & CO. KG; SUED-CHEMIE AG; ZARTENAR, NICOLAS; BRIT) 2 October 2003 (2003-10-02) cited in the application the whole document	1
X	DE 100 57 537 A1 (VIESSMANN WERKE GMBH & CO) 6 June 2002 (2002-06-06) the whole document	1
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

Date of the actual completion of the international search

26 April 2005

Date of mailing of the international search report

02/05/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 162 679 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD) 12 December 2001 (2001-12-12) paragraph '0027! paragraph '0077! - paragraph '0110!	1
A	WO 99/15460 A (JOHNSON MATTHEY PUBLIC LIMITED COMPANY; VAN KEULEN, ARJAN, NICOLAAS, J) 1 April 1999 (1999-04-01) page 4, line 1 - line 12; figures	1
A	WO 99/00183 A (JOHNSON MATTHEY PUBLIC LIMITED COMPANY; EDWARDS, NEIL; IRONS, IAN, BAR) 7 January 1999 (1999-01-07) claims	1

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Information on patent family members

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